

Green Energy



Within the scope of the company we provide efficient solutions and strategic advise for projects :

- Energy efficiency and infrastructure diagnostics
- Solutions with innovative and cutting edge products
- Designing of financial structure

Technology

Bioenergy Plants (USW)

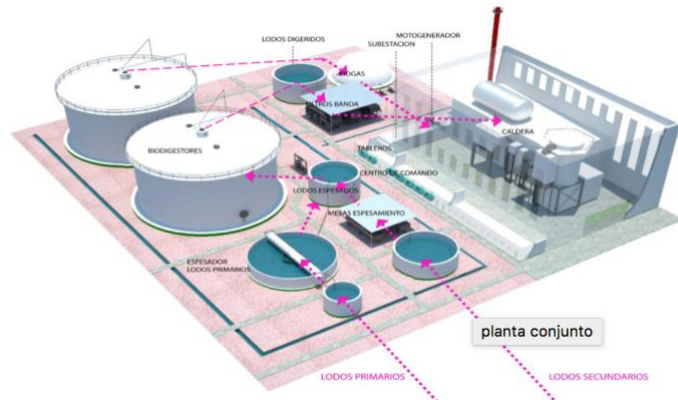
Daily use of tons of Urban Solid Waste (USW) AND sludges from wastewater treatment with an innovative biomass incineration process with zero emissions.



Waste Management

The thermovalorization plant designed by Mundi Group, uses organic waste to transform it into biofuels from combined biological and mechanical processes.

Biofuels obtained as biogas or biomass are used to generate electricity through a cogeneration system with zero pollutant emissions.



Usable Organic Waste



Urban Solid Waste

All organic waste generated in homes, as well as the waste obtained from maintenance of parks and gardens.



Urban Liquid Waste



Residual sludges from wastewater treatment plants







Agroindustry Waste

Residue generated by agricultural activities (pruning, stubble, etc.), forestry and livestock (excrement); waste from the agri-food industry and the wood industry (sawmills, paper mills, furniture, etc.), as well as from wastewater treatment plants and the recycling of oils.

By-products of Bioenergy Plants


Vehicular natural gas

Heat


Fuel gas (methane)

Organic fertilizers


Electric power

Water for irrigation

Solar Pumping System

Submersible or Surface Pump System powered by solar or wind energy for agricultural and aquaculture applications.



Cogeneration and Trigeneration

Harnessing electrical and thermal power from the same primary energy source.



Thermosolar Plants

Use of solar thermal energy to generate electrical power through the use of solar concentrators.

